RRRRR	RRRRRRR	UUU	UUU	NNN	NNN	(00000000	FFFFFFFFFFFFF	FFFFFFFFFFFF
RRRRR	RRRRRRR	ŬŬŬ	ŬŬŬ	NNN	NNN		00000000	FFFFFFFFFFFFF	FFFFFFFFFFFF
	RRRRRRR	ŬŬŬ	ŬŬŬ	NNN	NNN		00000000	FFFFFFFFFFFF	FFFFFFFFFFFF
RRR	RRR	ŬŬŬ	ŭŭŭ	NNN	NNN		000	FFF	FFF
RRR	RRR	ŬŬŬ	UUU	NNN	NNN		000	FFF	FFF
RRR	RRR	ŬŬŬ	UUU	NNN	NNN		000	FFF	FFF
RRR	RRR								
		UUU	UUU	NNNNN			000	fff	FFF
RRR	RRR	UUU	UUU	NNNN			000	FFF	FFF
RRR	RRR	UUU	UUU	NNNNN			000	FFF	FFF
	RRRRRRR	UUU	UUU	NNN	NNN NNN		000	FFFFFFFFFF	FFFFFFFFF
	RRRRRRR	UUU	UUU	NNN	NNN NNN		000	FFFFFFFFFF	FFFFFFFFFF
RRRRR	RRRRRRR	UUU	UUU	NNN	NNN NNN	000	000	FFFFFFFFFF	FFFFFFFFFF
RRR	RRR	UUU	UUU	NNN	NNNNN	000	000	FFF	FFF
RRR	RRR	UUU	UUU	NNN	NNNNN	000	000	FFF	FFF
RRR	RRR	ŬŬŪ	ŬŬŬ	NNN	NNNNN		000	FFF	FFF
RRR	RRR	ŬŨŨ	ŬŬŬ	NNN	NNN		000	FFF	FFF
RRR	RRR	ŬŬŬ	ÜÜÜ	NNN	NNN		000	FFF	FFF
RRR	RRR	ŬŬŬ	บับบ	NNN	NNN	000	000	FFF	FFF
RRR	RRR	บับบับบบบบเ		NIN	NNN		00000000	FFF	FFF
RRR	RRR	UUUUUUUU		NNN	NNN		00000000	FFF	FFF
RRR	RRR								
RRR	RKK	UUUUUUUUU		NNN	NNN	·	00000000	FFF	FFF

_\$2

RLI RNO RNO RTY SAV STR STR STR STR

STR STR STR STR STR STR STR STR STR STR

NN NN NN NN NN NN NN NN NNNN NN NN NN	DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD	XX	NN
		\$	

NDX VO4

Page

(1)

VAX-11 Bliss-32 V4.0-742 [RUNOFF.SRC]NDXINI.BLI:1

BEGIN

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FACILITY:
DSR (Digital Standard RUNOFF) /DSPPLUS DSRINDEX/INDEX Utility

ABSTRACT:

This module contains once only initialization code and global data.

ENVIRONMENT: 1ransportable

AUTHOR: JPK

CREATION DATE: December 1981

MODIFIED BY:

005 JPK00017 23-Feb-1983

Modified NDXINI to initialize the zero'th entries of LLINES, RLINES and TLINES which is where the telltale strings are stored by NDXFMT.

Modified NDXFMT to write appropriate prologue for /TELLTALE, save the appropriate lines for left and right telltales, and to mark the end of every entry with a NULL.

Modified NDXPAG to change the NULL following each entry to a space if LAYOUT is SEPARATE or to a comma otherwise and to

generate and output telltales.

NDXINI V04-000	NDXINI Once onl	y initialization and global d 16-Sep-1984 01:02:31 VAX-11 Bliss-32 V4.0-742 14-Sep-1984 13:07:13 [RUNOFF.SRC]NDXINI.BLI;1	Page 2
58 59 60	0058 1 ! 00 0059 1 ! 0060 1 !	JPK00015 04-feb-1983 Cleaned up module names, modified revision history to conform with established standards. Updated copyright dates.	
58 59 61 62 63 64 65 66 67 68 71 72 73	0058 1	JPK00009 24-Jan-1983 Modified to enhance performance. The sort buckets have each been divided into 27 sub-buckets; 1 for each letter and 1 for non-alphas. Removed reference to BUCKET from INDEX. Definition of the structure was added to NDXPOL. References to BUCKET were changed in modules NDXOUT, NDXINI, NDXFMT and NDXDAT.	
70 71 72 73	0069 1 00 0070 1 00 0071 1 0072 1 0073 1	2 JPK00005 24-Sep-1982 Removed definition of CHRFWD in NDXINI. No longer needed.	

NC X VO4

NDXINI V04~000	M 8 DXINI Once only initialization and global d 16-Sep-1984 01:02:31 VAX-11 Bliss-32 V4.0-742 14-Sep-1984 13:07:13 TRUNOFF.SRCJNDXINI.BLI;1	
75 76 77 78 79 80 81 82 83 84 85 86 87 88	074 1 ! 075 1 ! TABLE OF CONTENTS: 076 1 ! 077 1 FORWARD ROUTINE 078 1	

NDX VO4

Page 3 (2)

NDX

VÕ4

ND) VO4

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ND
VO
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```
NDXINI -- Once only initialization and global d
                                                                             16-Sép-1984 01:02:31
15-Sép-1984 22:53:19
NDXINI
                                                                                                          VAX-11 Bliss-32 V4.0-742
V04-000
                                                                                                           $255$DUA28:[RUNOFF.SRC]NDXCLI.REQ;1
   R0155
   R0156
R0157
                       NDXCMD_FIELDS
   R0158
                   $fIELD ndxcmd_fields =
   R0159
                        SET
   R0160
   R0161
                        NDX$V_OPTIONS
                                                = [$INTEGER].
                                                                             ! Command option indicators:
   R0162
R0163
                             SOVERLAY (NDXSV_OPTIONS)
   R0164
                             NDX$V_INPUT_CONCAT
NDX$V_OUTPUT
NDX$V_REQUIRE
   R0165
                                                          = [$BIT]
                                                                                Input file concatenated to previous
                                                          = [$BIT],
= [$BIT],
   R0166
                                                                                Generate output file
Require file specified
   R0167
                                                          = [$BIT],
= [$BIT],
   R0168
                             NDX$V_PAGES
                                                                                Include page references in index
                             NDX$V_OVERRIDE
NDX$V_STANDARD_PAGE
NDX$V_CONTINUATION
   R0169
                                                                                Override master index information
   R0170
                                                          = [$BIT],
                                                                                Generate standard page numbers
   R0171
                                                          = [$BIT].
                                                                                Generate continuation headings
                             NDX$V_GUIDE
NDX$V_WORD_SORT
   R0172
                                                            [$BIT],
                                                                                Generate guide headings
Sort entries word by word
   R0173
                                                            [$BIT],
                             NDX$V_LOG
NDX$V_MASTER
   R0174
                                                          = [$BIT].
                                                                                Generate /LOG message
   R0175
                                                          = [$BIT],
                                                                                Generate a master index
   R0176
                             NDX$V_PAGE MERGE
                                                          = [$BIT].
                                                                                Merge adjacent page references
   R0177
                             NDX$V_TELLTALE
                                                          = [$BIT].
                                                                                Generate telltale headings
   R0178
   R0179
                             SCONTINUE
   R0180
                                                = [$SHORT_INTEGER],
= [$SHORT_INTEGER],
= [$SHORT_INTEGER],
= [$SHORT_INTEGER],
   R0181
                        NDX$H_FORMAT
                                                                                Output format: DSR, TMS, TEX
   R0182
                        NDX$H_LAYOUT
                                                                                Output layout type
   R0183
                        NDX$H_NONALPHA
                                                                                Treatment of leading nonalphas during sort
                        NDX$H_LEVEL
NDX$G_COLUMN_WID
   R0184
                                                                                Deepest level to include in index Column width
                                                = [$INTEGER],
   R0185
                        NDX$G_GUTTER_WID
NDX$G_LINES_PAGE
   R0186
                                                = [$INTEGER],
                                                                                Gutter width
   R0187
                                                   [SINTEGER]
                                                                               Lines per page
Number of lines to reserve when requiring a file
                        NDX$G_RESERVE_LINES = NDX$G_SEPARATE_WIDTH=
   R0188
                                                   [$INTEGER].
   R0189
                                                   [$INTEGER]
                                                                                Width of reference portion of entry
                        NDXST_MASTER_BOOK
NDXST_INPUT_FILE
   R0190
                                                   [$DESCRIPTOR(DYNAMIC)],
                                                                                  Book name descriptor for Master indexing
   R0191
                                                   [$DESCRIPTOR(DYNAMIC)],
                                                                                  Input file name descriptor
   R0192
                        NDX$T_OUTPUT_FILE
                                                   [$DESCRIPTOR(DYNAMIC)],
                                                                                  Output file name descriptor
   R0193
                                                                                  Require file name descriptor
Related file name descriptor is saved here
                        NDX$T_REQUIRE_FILE
                                                   [$DESCRIPTOR(DYNAMIC)],
                                               =
   R0194
                        NDXST_RELATED_FILE = [$DESCRIPTOR(DYNAMIC)],
   R0195
                                                                                  ty NDXINP for later use by MAKNDX
   R0196
                        NDX$T_COMMAND_LINE = [$DESCRIPTOR(DYNAMIC)]
                                                                                ! Copy of entire command line
   R0197
   R0198
                        TES:
   R0199
   R0200
                       End of NDXCMD_FIELDS
   R0201
   RO203
                   LITERAL
                        NDXCMD$K_LENGTH = $FIELD_SET_SIZE;
   R0204
   R0205
   R0206
   R0207
                        $ndxcmd = Block [ndxcmd$k_length] field (ndxcmd_fields) %;
   R0208
   RO209
                   SLITERAL
                                                                      Output formats (NDX$H_FORMAT)
   R0210
                                                = $DISTINCT.
                                                                      Ruroff
   R0211
                        TMS11_A
                                                                    ! TMS=A
                                                = $DISTINCT.
```

```
NO .....
```

```
NDXINI -- Once only initialization and global d 16-Sép-1984 01:02:31 15-Sep-1984 22:53:19
NDXINI
                                                                                                                         VAX-11 Bliss-32 V4.0-742 Pa
_$255$DUA28:[RUNOFF.SRC]NDXCLI.REQ;1
V04-000
                                                                                                                                                                                 (2)
                           TMS11_E
                                                      = $DISTINCT.
   R0212
R0213
R0214
R0216
R0217
R0218
R02221
R02223
R0223
R0223
                                                                             ! TMS=E
! TEX
                           TEX
                                                       = $DISTINCT:
                      SLITERAL
                                                                               Output layouts (NDX$H_LAYOUT)
Normal two column format
                           TWO_COLUMN
ONE_COLUMN
SEPARATE
                                                       = $DISTINCT,
                                                      = $DISTINCT,
= $DISTINCT,
                                                                               Normal one column format
                                                                                Separate reference format
                           GALLEY
                                                       = $DISTINCT;
                                                                             ! TMS11 Galley format
                      $LITERAL
                                                                               Treatment of leading nonalphas during sort (NDX$H_NONALPHA) 
Leading nonalphas sort before alphas
                           BEFORE
                                                       = $DISTINCT,
                           AFTER
                                                       = $DISTINCT.
                                                                               Leading nonalphas sort after alphas
                           IGNORE
                                                       = $DISTINCT;
                                                                             ! Leading nonalphas are ignored
    R0225
   RO226
   R0227
                      !--
                                 End of NDXCLI.REQ
```

NDXINI -- Once only initialization and global d 16-Sep-1984 01:02:31 14-Sep-1984 13:07:13 NDXINI V04-000 VAX-11 Bliss-32 V4.0-742 [RUNOFF.SRC]NDXINI.BLI;1 Page 8 (2) 89 90 0228 1 0229 1 REQUIRE 'REQ:NDXXPL';

ND)

```
NDXINI -- Once only initialization and global d 16-Sép-1984 01:02:31 15-Sep-1984 22:53:35
NDXINI
                                                                                                              VAX-11 Bliss-32 V4.0-742 P. _$255$DUA28:[RUNOFF.SRC]NDXXPL.REQ;1
V04-000
   R02334
R0233345
R0223345
R022336
R022338
R02241
R02242
                                        'V04-000'
                      Version:
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                         OTHER PERSON. NO TITLE TO AND OWNERSHIP OF THE SOFTWARE IS HEREBY
                    1 🛊
   R0244
                    l 🛊
                         TRANSFERRED.
   R0245
   R0246
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                    ۱ 🛊
   R0247
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   R0248
                         CORPORATION.
   R0249
   R0250
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   R0251
                         SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.
   R0252
   R0253
   R0254
                     **********************
   R0255
   R0256
   R0257
   R0258
                     FACILITY:
                                         DSR (Digital Standard RUNOFF) / DSRPLUS
   R0259
   R0260
                      ABSTRACT:
   R0261
                              This file contains definitions of data structures used to support
   R0262
                              the extended indexing features of the DSRPLUS INDEX program.
   R0263
   R0264
                      ENVIRONMENT: Transportable BLISS
   R0265
   R0266
                      AUTHOR:
                                         J.P. Kellerman
   R0267
   R0268
                      CREATION DATE: January 1982
   R0269
   R0270
                      MODIFIED BY:
   R0271
   R0272
                                        KAD00002
                              002
                                                                               07-Mar-1983
                                                            Keith Dawson
   R0273
                                        Global edit of all modules. Updated module names, idents,
   R0274
                                        copyright dates. Changed require files to BLISS library.
   R0275
   R0276
   R0277
   R0278
                    ! Extended INDEX attributes block.
   R0279
   R0280
                    $FIELD XPL_FIELDS =
   R0281
                        SET
   R0282
R0283
                         XPL$V_OPTIONS
                                                  = [$INTEGER],
                                                                             ! Attributes options
   R0284
   R0285
                              SOVERLAY (XPL$V_OPTIONS)
   R0286
```

ND)

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VO
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NDXINI
                                                                                                       16-Sep-1984 01:02:31
15-Sep-1984 22:53:35
                          NDXINI -- Once only initialization and global d
                                                                                                                                              VAX-11 Bliss-32 V4.0-742
VJ4-000
                                                                                                                                               $255$DUA28:[RUNOFF.SRC]NDXXPL.REQ;1
                                      XPL$V_VALID
XPL$V_BOLD
XPL$V_UNDERLINE
XPL$V_BEGIN
XPL$V_END
XPL$V_MASTER
XPL$V_PERMUTE
XPL$V_NOPERMUTE
XPL$V_NOPERMUTE
XPL$V_APPEND
    R0287
R0288
R0289
R0290
R0291
R0292
                                                                             = [$BIT],
                                                                                                           Attributes block contains valid information.
                                                                                                           Bold page reference.
                                                                                                           Underlined page reference.
                                                                                                           Begin page range.
                                                                                                           End page range.
                                                                                                           Master index entry.
    R0293
R0294
R0295
R0296
R0297
                                                                                                          Permute index entry
                                                                                                           Set if permute explicitly forbidden.
Set if SORT string present.
                                                                              = [$BIT],
                                                                                                        ! Set if append string present.
    R0298
R0299
                                      $CONTINUE
    R0300
                                XPL$T SORT
                                                                 = [$DESCRIPTOR(DYNAMIC)], ! SORT string.
= [$DESCRIPTOR(DYNAMIC)] ! APPEND string.
    R0301
                                XPL$T_APPEND
    R0302
    R0303
                                TES:
    R0304
    R0305
                          LITERAL
    R0306
                                XPL$K_LENGTH = $FIELD_SET_SIZE;
    R0307
    R0308
    RU309
                                $XPL_BLOCK = BLOCK [XPL$K_LENGTH] FIELD (XPL_FIELDS) %:
    R0310
    R0311
    R0312
                             Macros for INDEX_ATTRIBUTES flags
    R0313
    R0314
                          MACRO
                                                              = 0, 0, 1, 0 x,

= 0, 1, 1, 0 x,

= 0, 2, 1, 0 x,

= 0, 3, 1, 0 x,

= 0, 4, 1, 0 x,

= 0, 6, 1, 0 x,

= 0, 6, 1, 0 x,

= 0, 7, 1, 0 x,

= 0, 8, 1, 0 x,

= 0, 9, 1, 0 x;
                               XPLUS$V_VALID

XPLUS$V_BOLD

XPLUS$V_UNDERLINE

XPLUS$V_BEGIN

XPLUS$V_END

XPLUS$V_MASTER

XPLUS$V_PERMUTE
    R0315
                                                                                              Set if attributes data is valid.
    R0316
                                                                                              Set if page reference is bolded.
    R0317
                                                              = 0.
                                                                                              Set if
                                                                                                         page reference is underlined.
    R0318
                                                                                              Set if entry begins a page range.
                                                                                              Set if entry ends a page range.
    R0319
                                                                                              Set if master index entry only. Set if entry is to be permuted.
    R0320
                                                             = 0, 6,
= 0, 7,
    R0321
                                XPLUS$V_NOPERMUTE
XPLUS$V_SORT
XPLUS$V_APPEND
    R0322
                                                                                             Set if permute is explicitly forbidden. Set if entry contains a SORI string.
    R0323
    R0324
                                                                                              Set if entry contains an APPEND string.
    R0325
    R0326
                                                                 End of NDXXPL.REQ
```

ND) VO4

R0362

R0363 R0364

R0365 R0366

R0367 R0368

R0369 R0370

R0371 R0372 R0373

R0374

R0375

R0376

R0377

R0378 R0379

R0380

R0381

R0382

R0383 R0384 R0385

```
NDXINI -- Once only initialization and global d 16-Sep-1984 01:02:31 15-Sep-1984 22:53:26
```

VAX-11 Bliss-32 V4.0-742 Page 12 \$255\$DUA28:[RUNOFF.SRC]NDXPOL.REQ;1 (1)

**

Version: 'V04-000'

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FACILITY:
DSR (Digital Standard RUNOFF) /DSRPLUS DSRINDEX/INDEX Utility

ABSTRACT:

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1 * *

This file contains literals and macros defining the data structures found in the internal index pool

ENVIRONMENT: Transportable

AUTHOR: JPK

CREATION DATE: January 1982

MODIFIED BY:

003 JPK00015 04-Feb-1983

Cleaned up module names, modified revision history to conform with established standards. Updated copyright dates.

JPK00009 24-Jan-1983
Modified to enhance performance. The sort buckets have each been divided into 27 sub-buckets; 1 for each letter and 1 for non-alphas. Removed reference to BUCKET from INDEX. Definition of the structure was added to NDXPOL. References to BUCKET were changed in modules NDXOUT, NDXINI, NDXFMT and NDXDAT.

i_

```
NDXINI
                 NDXINI -- Once only initialization and global d
                                                                       16-Sép-1984 01:02:31
15-Sép-1984 22:53:26
                                                                                                  VAX-11 Bliss-32 V4.0-742 P
_$255$DUA28:[RUNOFF.SRC]NDXPOL.REQ;1
V04-000
   R0386
R0387
                  ! Index entry
   R0388
                 $FIELD XE_FIELDS =
   R0389
                      SET
   R0390
   R0391
                                               [SADDRESS]
                      XESA_PREV
                                                                          Link to previous item
                      XESA_NEXT
XESA_SUBX
XESA_REF
   R0392
                                               [$ADDRESS]
                                                                          Link to next item
   R0393
                                               [$ADDRESS]
                                                                          Sub index pointer
   R0394
                                               [$ADDRESS]
                                                                          Reference pointer
   R0395
                                               [SADDRESS],
                      XESA_TEXT
                                                                          Pointer to text of index item
   R0396
                      XE$A_SORT_AS
                                             = [$ADDRESS]
                                                                          Pointer to SORT_AS string
   R0397
                      XE$H_SUBC
                                             = [$SHORT_INTEGER],
                                                                         Sub index level
   R0398
   R0399
                      XE$V_FLAGS
                                             = [$SHORT_INTEGER],
                                                                        ! Entry flags
   R0400
   R0401
                          SOVERLAY (XESV_FLAGS)
   R0402
   R0403
                          XE$V_BARS
                                                      = [$BIT],
                                                                        ! Change bar flag
   R0404
   R0405
                          $CONTINUE
   R0406
   R0407
                                            = [$ADDRESS]
                      XE$A_BOOK_LIST
                                                                       ! Master index book name list
   R0408
   R0409
                      $ALIGN (FULLWORD)
   R0410
   R0411
                      TES:
   R0412
   R0413
                 LITERAL
   R0414
                      XE$K_LENGTH = $FIELD_SET_SIZE;
   R0415
  R0416
                 MACRO
  R0417
                      $XE_BLOCK = BLOCK [XE$K_LENGTH] FIELD (XE_FIELDS) %;
   R0418
                  ! End of Index entry
   R0419
   R0420
  R0421
  R0422
                  ! Reference entry
   R042
  R0424
                 $FIELD_XX_FIELDS =
   R0425
   R0426
   R0427
                      XX$A_LINK
XX$A_APPEND
                                            = [$ADDRESS],
                                                                        ! Link to additional entries
   R0428
                                            = [$ADDRESS]
                                                                         APPEND text pointer
   R0429
                      XX$H_PAGE
                                            = [$SHORT_INTEGER],
                                                                        ! Transaction number
   R0430
  R0431
                                            = [$SHORT_INTEGER],
                      XX$V_FLAGS
                                                                       ! Display attributes
   R0432
   R0433
                          $OVERLAY (XX$V_FLAGS)
  R0434
                                            = [$BIT],
= [$BIT],
   R0435
                           XX$V_BOLD
                                                                          Bold page reference
  R0436
R0437
                          XX$V_UNDERLINE
XX$V_BEGIN
                                                                          Underline page reference
                                            = [$BIT],
                                                                          Begin page range
   R0438
R0439
                                            = [$BIT].
                           XX$V_END
                                                                        ! End page range
   R0440
                          $CONTINUE
   R0441
   R0442
                      XX$A_BOOK
                                            = [$ADDRESS]
                                                                       ! Master index book name
```

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NDXINI -- Once only initialization and global d 16-Sep-1984 01:02:31 15-Sep-1984 22:53:26
NDXINI
                                                                                         VAX-11 Bliss-32 V4.0-742
V04-000
                                                                                         $255$DUA28:[RUNOFF.SRC]NDXPOL.REQ:1
   R0443
   R0444
                    SALIGN (FULLWORD)
   R0445
   R0446
                    TES:
   R0447
   R0448
                LITERAL
   R0449
                    XX$K_LENGTH = $FIELD_SET_SIZE;
   R0450
   R0451
                MACRO
                    R0453
   R0454
                ! End of Reference entry
   R0455
   R0456
   R0457
                ! Master index book reference entry
   R0458
   R0459
                $FIELD XM_FIELDS =
   R0460
   R0461
  R0462
R0463
                    XMSA_LINK
                                        = [$ADDRESS],
                                                                 ! Link to additional entries
                    XM$A_BOOK
                                        = [$ADDRESS]
                                                                 ! Pointer to book name
   R0464
                    TES:
   R0465
  R0466
  R0467
                LITERAL
                    XM$K_LENGTH = $FIELD_SET_SIZE;
  R0468
   R0469
  R0470
                    $XM_BLOCK = BLOCK [XM$K_LENGTH] FIELD (XM_FIELDS) %;
  R0471
  R0472
  R0473
                ! End of Master index book reference entry
  R0474
  R0475
  R0476
                ! Current Entry
  R0477
                $FIELD_C_FIELDS =
  R0478
  R0479
                    SET
  R0480
                                        = [$ADDRESS],
                    C$A_CURR
  R0481
                                                                  Pointer to current cell
                    C$A PREV
                                        = [$ADDRESS],
   R0482
                                                                  Pointer to previous cell
  R0483
                                        = [$ADDRESS],
                    C$A_HEAD
                                                                 ! Pointer to head of chain
   R0484
  R0485
                    SALIGN (FULLWORD)
  R0486
                                        = [$INTEGER],
   R0487
                    C$V_FLAGS
                                                                 ! Current cell flags
   R0488
   R0489
                        SOVERLAY (CSV_FLAGS)
   R0490
  R0491
                        C$V_IDNS
                                        = [$BIT]
                                                                ! Identical string flag
   R0492
  R0493
                        $CONTINUE
   R0494
   R0495
                    TES:
  R0496
  R0497
                LITERAL
                    C$K_LENGIH = $FIELD_SET_SIZE;
  R0498
  R0499
```

```
ND)
VO
```

```
NDXINI -- Once only initialization and global d 16-Sép-1984 01:02:31 15-Sep-1984 22:53:26
NEXINI
                                                                                                             VAX-11 Bliss-32 V4.0-742 
_$255$DUA28:[RUNOFF.SRC]NDXPOL.REQ;1
V04-000
   R0500
                   MACRO
   R0501
                        $C_BLOCK = BLOCK [C$K_LENGTH] FIELD (C_FIELDS) %;
  R0502
R0503
R0504
                    ! End of current entry
   R0505
   R0506
   R0507
                      Dummy datasets
   R0508
   R0509
                   LITERAL
                        DS_X_ENTRY = XE$K_LENGTH,
DS_XX_ENTRY = XX$K_LENGTH,
DS_XM_ENTRY = XM$K_LENGTH,
DS_X_STRING = 0;
   R0510
   R0516
                      Structure definition for bucket array.
                             Buckets are arranged so that each row represents the first letter of
                              the string and each column represents the second letter of the string.
   R0520
                              This approach is used only for master indexes as no performance
                              improvement is realised until about 10 input files have been processed.
   R0524
                             Indexes which are not master indexes use only the first element of each row, i.e., [0, 0] ... [26, 0].
   R0525
   R0526
   R0527
                             The only exception is for nonalphabetic characters which use only element [0, 0]. Elements [0, 1] ... [0, 26] are not used since mapping
   R0528
   R0529
                             all nonalphabetics into one row loses the sort order of the first
   R0530
                             character in the string. For nonalphabetics to work correctly in a two
   R0531
                             dimensional bucket scheme, the array would have to be at least 127 \times 127
   R0533
                                                       26
   R0534
                                  * *
                                       not used
   R0535
   R0536
   R0537
   R0538
   R0539
                                 Z? ZA
   R0540
   R0541
                   STRUCTURE
                        $BUCKET_ARRAY [ROW IDX, COL IDX; M, N] =
[M * N * XUPVAL] ($BUCKET_ARRAY + (ROW_IDX * N + COL_IDX) * XUPVAL);
   R0543
   R0545
                   !--
                             End of NDXPOL.REQ
```

ND)

0546 1 0547 1 REQUIRE 'REQ:PAGEN':

NDXINI V04-000

93 94

M 9 NDXINI -- Once only initialization and global d 16-Sep-1984 01:02:31 14-Sep-1984 13:07:13

VAX-11 Bliss-32 V4.0-742 [RUNOFF.SRC]NDXINI.BLI:1

Page 16 (2)

```
ND'
```

```
NDX 1N1
V04-000
                   NDXIN1 -- Once only initialization and global d 16-Sép-1984 01:02:31 15-Sep-1984 22:53:51
                                                                                                            VAX-11 Bliss-32 V4.0-742
_$255$DUA28:[RUNOFF.SRC]PAGEN.REQ;1
   R0548
   R0549
R0550
R0551
R0552
                      Version:
                                        'V04-000'
   R0553
                        COPYRIGHT (c) 1978, 1980, 1982, 1984 BY DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS.
   R0554
   R0555
                        ALL RIGHTS RESERVED.
   R0556
                        THIS SOFTWARE IS FURNISHED UNDER A LICENSE AND MAY BE USED AND COPIED ONLY IN ACCORDANCE WITH THE TERMS OF SUCH LICENSE AND WITH THE INCLUSION OF THE ABOVE COPYRIGHT NOTICE. THIS SOFTWARE OR ANY OTHER COPIES THEREOF MAY NOT BE PROVIDED OR OTHERWISE MADE AVAILABLE TO ANY
   R0557
   R0558
   R0559
   R0560
   R0561
                        OTHER PERSON. NO TITLE TO AND OWNERSHIP OF THE SOFTWARE IS HEREBY
   R0562
                        TRANSFERRED.
   R0563
                        THE INFORMATION IN THIS SOFTWARE IS SUBJECT TO CHANGE WITHOUT NOTICE AND SHOULD NOT BE CONSTRUED AS A COMMITMENT BY DIGITAL EQUIPMENT
   R0564
                    1 🐞
   R0565
                        CORPORATION.
   R0566
   R0567
   R0568
                        DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE OR RELIABILITY OF ITS
   R0569
                        SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.
   R0570
   R0571
   R0572
                                     R0573
   R0574
   R0575
   R0576
                     FACILITY:
                                        DSR (Digital Standard RUNOFF) / DSRPLUS
   R0577
   R0578
                      ABSTRACT:
   R0579
                             A page number carries with it not only its current value, but also
   R0580
                             codes as to how those values are to be displayed when they are finally
   R0581
                             output. It was decided to do it this way rather than have a separate
   R0582
R0583
                             table so that the program TCX would have less trouble.
   R0584
                      ENVIRONMENT:
                                        Transportable BLISS
   R0585
   R0586
                      AUTHOR:
                                        Rich Friday
   R0587
   R0588
                      CREATION DATE: 1978
   R0589
   R0590
                      MODIFIED BY:
   R0591
   R0592
                             004
                                       KAD00004
                                                                              07-Mar-1983
                                                           Keith Dawson
   R0593
                                       Global edit of all modules. Updated module names, idents,
   R0594
                                       copyright dates. Changed require files to BLISS library.
   R0595
   R0596
   R0597
   R0598
                   LITERAL
   R0599
                        page_sct_size = 4;
   R0600
   R0601
                   LITERAL
                                                                               !Type of section:
   R0602
R0603
                        sct_chapt
                                                                                 Chapter section.
                        sct_index
                                                                                 index section.
```

! Appendix section.

R0604

sct_append

```
NO
```

```
B 10
NDXINI
                                                                                16-Sep-1984 01:02:31
15-Sep-1984 22:53:51
                    NDXINI -- Once only initialization and global d
                                                                                                               VAX-11 Bliss-32 V4.0-742
V04-000
                                                                                                               _$255$DUA28:[RUNOFF.SRC]PAGEN.REQ;1
   R0605
   R0606
R0607
                    LITERAL
                         sct_low
                                                                                 ! Lowest section type key.
   R0608
                                                                                 ! Highest section type key.
                         sct_high
   R0609
   R0610
                    MACRO
                                                                          = 0, 0,
   R0611
                         sct_typ
                                                                                   Section Type (zero if none).
                                          = 0. 4,
= 0. 4BPVAL/2,
= 1. 0.
= 2. 0.
= 3. 0.
= 3. 4.
= 3. 8.
= 3. 12.
   R0612
R0613
                         sct_page_d
sct_sub_page
                                                                                   Display code for page number.
                                                             XBPVAL/2,
                                                                                   Subpage, if any (zero if none).
                         sct_number
                                                                                   Type of section number. Page number.
   R0614
                        sct_page
sct_subpg_d
sct_chapt_d
sct_appen_d
sct_index_d
   R0615
                                                              XBPVAL,
   R0616
R0617
                                                                                   Display code for subpages.
                                                                                   Display code for chapters.
   R0618
                                                                                   Display code for appendices.
   R0619
R0620
R0621
R0622
R0623
                                                                                   Display code if indexes.
                    MACRO
                         sct_run_page = 3, %BPVAL/2, %BPVAL/2, 0 %; ! Running page number.
   R0624
R0625
                         page_definition = BLOCK [page_sct_size] %;
   R0626
   R0627
                                                  End of PAGEN.REQ
```

```
C 10

NDXINI -- Once only initialization and global d 16-Sep-1984 01:02:31

14-Sep-1984 13:07:13
NDXINI
                                                                                                                                                                                                                                                                                                                           VAX-11 Bliss-32 V4.0-742 [RUNOFF.SRC]NDXINI.BLI;1
V04-000
             95
96
97
                                                        SWITCHES LIST (NOREQUIRE);
             98
99
                                                                                            MACROS:
          100
          101
          102
103
104
105
                                                                                            EQUATED SYMBOLS:
                                                                                   GLOBAL LITERAL

TAB = %0'11' : UNSIGNED (8),

TMSCOL = 39,

TMSCOL = 39,
                                                                                                                                                                                                                                     ! TAB character
! Default TMS column width
! RUNOFF escape sequence character
          106
         108
109
                                                                                                    RINTES = XO'34' : UNSIGNED (8),
                                                                                                                                                                                                                                     ! Maximum subindex depth
! Maximum number of lines per page
                                                                                                    MAXLST = 10.
          110
                                                                                                    MAXLIN = 80;
          111
          112
                                                                              1 LITERAL
                                                                                                   TRUE = 1,
FALSE = 0;
          114
          115
          116
          117
                                                                              1 ! OWN STORAGE:
                                                        0651
0652
0653
0654
0655
0656
0657
0658
0661
0662
0663
          118
          119
         1 GLOBAL
                                                                                                   OUTIOB : $XPO_IOB (),
CMDBLK : $NDXCMD,
XPLBLK : $XPL_BLOCK,
PAGEN : PAGE_DEFINITION;
                                                                                                                                                                                                                                                                  ! Output file IOB ! Command line information block
                                                                                                                                                                                                                                                                  Extended indexing information block Page reference block
                                                                                                                                                                                                                                                                 ! Hashing buckets
! There are 26 buckets for letters, and
! one for all other characters.
                                                                                                    BUCKET: $BUCKET_ARRAY [27, 27];
                                                        0664
0665
                                                                                                   LSTPTR : REF $XE_BLOCK,
                                                                                                    INDLVL,
LSTSTK: VECTOR [MAXLST + 1];
                                                                                                                                                                                                                                                                  ! Index level
! Temporary entry stack
                                                         0666
                                                         0667
                                                         0668
                                                                              1 GLOBAL
                                                                                                                                                                                                                                                                   ! Index pool variables
                                                                                                   NDXPOL : INITIAL (0),
NDXSGE : INITIAL (0),
NDXSGF : INITIAL (0);
                                                        0669
0670
                                                                                                                                                                                                                                                                  Address of indexing pool End of current segment.
                                                         0671
                                                        0672
0673
                                                                                   GLOBAL

XTNPOL : INITIAL (0),

XTNCNT : INITIAL (0),

XTNLSP : INITIAL (0),

XTNLSX : INITIAL (0),

XTNSGP : INITIAL (0),
                                                                                                                                                                                                                                                                  ! Transaction pool variables
! Address of transaction pool
! Number of XTNTAB entries
          140
                                                        0674
0675
          141
          142
                                                        0676
0677
          144
                                                        0678
0679
          146
                                                                                                    XTNTAB : INITIAL (0),
XPAGEN : INITIAL (0);
                                                                                                                                                                                                                                                                !List of transaction numbers assigned
                                                         0680
                                                        0681
0682
0683
          148
          149
                                                                                     GLOBAL
                                                                                                    BOOKID : INITIAL (0):
          150
                                                                                                                                                                                                                                                                 ! Address of master index book id
```

ND

V0

```
ND
VC
```

Page

```
NDXINI -- Once only initialization and global d 16-Sep-1984 01:02:31 GLOBAL ROUTINE NDXINI -- Once only initializati 14-Sep-1984 13:07:13
                                                                                                                             VAX-11 Bliss-32 V4.0-742 [RUNGFF.SRC]NDXINI.BLI;1
              %SBTTL 'GLOBAL ROUTINE NDXINI -- Once o cy initialization' GLOBAL ROUTINE NDXINI : NOVALUE =
0714
0715
0716
0718
                 FUNCTIONAL DESCRIPTION:
0719
0720
0721
07223
07223
07224
07228
0723
0733
0733
0737
                            This routine is called by the command line interface routine
                            to do once only initialization of global data structures.
                 FORMAL PARAMETERS:
                            None.
                 IMPLICIT INPUTS:
                            None.
                 IMPLICIT OUTPUTS:
                            CMDBLK - Command line information block is initialized
                                         - Extended indexing attributes block is initialized
                            LLINES

    Left column string descriptors are initialized

    Right column string descriptors are initialized
    String descriptors for right column on last page

                            RLINES
                            TLINES
0738
0739
                 ROUTINE VALUE:
0740
                 COMPLETION CODES:
0741
0742
0743
                           None.
0744
0745
0746
0747
                 SIDE EFFECTS:
          1
          1
                            None.
          1
0748
0749
0750
0751
0752
0753
                     BEGIN
                        Initialize the command line information block
                    CMDBLK [NDX$V_OPTIONS] = 0;
$STR_DESC_INIT (DESCRIPTOR = CMDBLK [NDX$T_MASTER_BOOK], CLASS = DYNAMIC);
$STR_DESC_INIT (DESCRIPTOR = CMDBLK [NDX$T_INPUT_FILE], CLASS = DYNAMIC);
$STR_DESC_INIT (DESCRIPTOR = CMDBLK [NDX$T_OUTPUT_FILE], CLASS = DYNAMIC);
$STR_DESC_INIT (DESCRIPTOR = CMDBLK [NDX$T_REQUIRE_FILE], CLASS = DYNAMIC);
$STR_DESC_INIT (DESCRIPTOR = CMDBLK [NDX$T_COMMAND_LINE], CLASS = DYNAMIC);
0754
0755
0756
0757
0758
0759
0760
0761
                        Initialize related file specification descriptor. This string is set to the resultant input file specification by NDXINP for every
0762
0763
                        input file which is not concatenated to the previous one. Thus the related file name for a series of concatenated input files is the
0764
0765
                        resultant file name of the first file in the series.
0766
0767
                     $STR_DESC_INIT (DESCRIPTOR = CMDBLK [NDX$T_RELATED_FILE],                    CLASS = DYNAMIC);
0768
0769
                        Initialize extended indexing attributes block
```

NDXIN1

V04-000

```
F 10
NDXINI
                      NDXINI -- Once only initialization and global d 16-Sep-1984 01:02:31 GLOBAL ROUTINE NDXINI -- Once only initializati 14-Sep-1984 13:07:13
                                                                                                                              VAX-11 Bliss-32 V4.0-742 [RUNOFF.SRC]NDXINI.BLI;1
                                                                                                                                                                                   Page 22 (3)
V04-000
    239
240
241
243
                                        XPLBLK [XPL$V_VALID] = FALSE; ! No extended indexing attributes seen yet
$STR_DESC_INIT (DESCRIPTOR = XPLBLK [XPL$T_SORT], CLASS = DYNAMIC);
$STR_DESC_INIT (DESCRIPTOR = XPLBLK [XPL$T_APPEND], CLASS = DYNAMIC);
                       0772
0773
                       0774
                       0775
    244
245
                      0776
0777
                                           Initialize string descriptors used to build a page of output
    246
247
                       0778
                                        INCR I FROM 0 TO MAXLIN + 1 DO
                       0779
                                             BEGIN
    248
249
250
251
253
                                             $STR_DESC_INIT (DESCRIPTOR = LLINES [.I, 0,0,0,0], CLASS = DYNAMIC);
$STR_DESC_INIT (DESCRIPTOR = RLINES [.I, 0,0,0,0], CLASS = DYNAMIC);
$STR_DESC_INIT (DESCRIPTOR = TLINES [.I, 0,0,0,0], CLASS = DYNAMIC);
                       0780
                       0781
                      0782
0783
                       0784
                       0785
                                        END:
                                                                                                           .TITLE NDXINI NDXINI -- Once only initialization and g
                                                                                                                                lobal d
                                                                                                                     \V04-000\
                                                                                                           .IDENT
                                                                                                           .PSECT $GLOBAL$,NOEXE,2
                                                                                      00000 OUTIOB::.BLKB
                                                                                      000F4 CMDBLK::.BLKB
                                                                                                                      80
                                                                                      00144 XPLBLK: ..BLKB
                                                                                                                      20
                                                                                      00158 PAGEN : . BLKB
                                                                                      00168 BUCKET :: . BLKB
                                                                                                                      2916
                                                                                      OOCCC LSTPTR::.BLKB
                                                                                      OUCDO INDLVL::.BLKB
                                                                                      OOCD4 LSTSTK::.BLKB
                                                                        00000000
                                                                                      OODOO NDXPOL::.LONG
                                                                        0000000
                                                                                      00D04 NDXSGE::.LONG
                                                                        0000000
                                                                                      OODO8 NDXSGF::.LONG
                                                                        00000000
                                                                                      OODOC XTNPOL::.LONG
                                                                                      OOD10 XTNCNT::.LONG
                                                                        0000000
                                                                        00000000
                                                                                      OOD14 XTNLSP::.LONG
                                                                        0000000
                                                                                      OOD18 XTNLSX::.LONG
                                                                        0000000
                                                                                      OOD1C XTNSGP::.LONG
                                                                        00000000
                                                                                      OOD20 XTNTAB::.LONG
                                                                                      00D24 XPAGEN::.LONG
00D28 BOOKID::.LONG
                                                                        0000000
                                                                        0000000
                                                                                      OOD2C PAGENO::LONG
OOD3O ALLOWD::BLKB
OOD34 LCOUNT::BLKB
OOD38 RCOUNT::PLKB
                                                                        00000000
                                                                                      OOD3C TCOUNT::.BLKB
                                                                                      ÖÖDAÖ LTYPE:: .BLKB
                                                                                      QQE88 LLINES::.BLKB
                                                                                      01118 RTYPE:: .BLKB
                                                                                                                      328
                                                                                      01260 RLINES::.BLKB
                                                                                                                      656
                                                                                      014FO TTYPE:: .BLKB
                                                                                                                      328
                                                                                      01638 TLINES::.BLKB
                                                                                                                      656
                                                                                               TAB==
                                                                                               TMSLOL==
                                                                                                                            ŽŔ
                                                                                               RINTES==
```

ND

VÕ

```
G 10
NDXINI -- Once only initialization and global d 16-Sep-1984 01:02:31
GLOBAL ROUTINE NDAINI -- Once only initializati 14-Sep-1984 13:07:13
NDXINI
                                                                                                         VAX-11 Bliss-32 V4.0-742
                                                                                                                                                    Page 23
V04-000
                                                                                                         [RUNOFF.SRC]NDXINI.BLI:1
                                                                               MAXLST==
                                                                               MAXLIN==
                                                                                                       80
                                                                                                       CMDBLK+32
CMDBLK+32
                                                                               $STR$DESC=
                                                                               $STR$BIN_DESC=
                                                                               SSTRSDEST=
                                                                                                       CMDBLK+40
                                                                               SSTRSBIN_DESC=
                                                                                                       CMDBLK+40
                                                                               SSTRSDESC=
                                                                                                       CMDBLK+48
                                                                               $STR$BIN_DESC=
                                                                                                       CMDBLK+48
                                                                               SSTRSDESC=
                                                                                                       CMDBLK+56
                                                                               SSTRSBIN DESC=
                                                                                                       CMDBLK+56
                                                                               SSTRSDESC=
                                                                                                       CMDBLK+72
                                                                               $STR$BIN_DESC=
                                                                                                       CMDBLK+72
                                                                               SSTRSDESC=
                                                                                                       CMDBLK+64
                                                                               $STR$BIN_DESC=
                                                                                                       CMDBLK+64
                                                                               $STR$DESC=
                                                                                                       XPLBLK+4
                                                                               $STR$BIN_DESC=
                                                                                                       XPLBLK+4
                                                                               $STR$DESC=
                                                                                                       XPLBLK+12
                                                                               $STR$BIN_DESC=
                                                                                                       XPLBLK+12
                                                                                                  $CODE$,NOWRT,2
                                                                                         .PSECT
                                                                  0004 00000
                                                                                         .ENTRY
                                                                                                  NDXINI, Save R2
                                                                                                                                                         0715
                                               52 00000000'
                                                                    9E
                                                                        00002
                                                                                         MOVAB
                                                                                                  CMDBLK, R2
                                                                                                  CMDBLK
#34471936, $STR$DESC
                                                               62
8F
                                                                                                                                                         0752
0753
                                                                    D4
                                                                        00009
                                                                                         CLRL
                                                                    DO
                                         20
                                               A2 020E0000
                                                                        0000B
                                                                                         MOVL
                                                               A2
8F
                                                                    D4
                                                                        00013
                                                                                         CLRL
                                                                                                  $STR$DESC+4
                                                                    ĎÔ
                                         28
                                               A2 020E0000
                                                                        00016
                                                                                                  #34471936. $STR$DESC
                                                                                                                                                         0754
                                                                                         MOVL
                                                               A2
8F
                                                                    D4
                                                                        0001E
                                                                                         CLRL
                                                                                                  $STR$DESC+4
                                                                                                  #34471936, $STR$DESC
                                         30
                                               A2 020E0000
                                                                    ĎÔ
                                                                       00021
                                                                                                                                                         0755
                                                                                         MOVL
                                                               Ă2
                                                                    D4
                                                                                                  $STR$DESC+4
                                                                        00029
                                                                                         CLRL
                                        38
                                               A2 020E0000
                                                               8F
                                                                    DO
                                                                        0002C
                                                                                                  #34471936, $STR$DESC
                                                                                                                                                         0756
                                                                                        MOVL
                                                               A2
8F
                                                                    D4
                                                                        00034
                                                                                                  $STR$DESC+4
                                                                                        CLRL
                                                                                                  #34471936, $STR$DESC
                                        48
                                               A2 020E0000
                                                                    DO
                                                                        00037
                                                                                                                                                         0757
                                                                                        MOVL
                                                               A2
8F
                                                                    D4
                                                                        0003F
                                                                                                  $STR$DESC+4
                                                                                        CLRL
                                                                    DÖ
                                        40
                                                                       00042
                                               A2 020E0000
                                                                                                  #34471936. $STR$DESC
                                                                                        MOVL
                                                                                                                                                         0766
                                                               Ă2
                                                                    D4
                                                                        0004A
                                                                                                  $STR$DESC+4
                                                                                        CLRL
                                                               01
8F
                                        50
54
                                                                       0004D
                                                                                                  #1, XPLBLK
#34471936, $STR$DESC
                                                                    8A
                                              A2 020E0000
                                                                                        BICB2
                                                                                                                                                         0771
                                                                    DO
                                                                        00051
                                                                                                                                                         0772
                                                                                        MOVL
                                                               A2
8F
A2
50
                                                                    D4
                                                                        00059
                                                                                                  $STR$DESC+4
                                                                                        CLRL
                                                                       0005C
                                        5C
                                                                    D0
                                                                                                  #34471936, $STR$DESC
                                               A2 02CE0000
                                                                                        MOVL
                                                                                                                                                         0773
                                                                    D4
                                                                       00064
                                                                                        CLRL
                                                                                                  $STR$DESC+4
                                                                    D4
                                                                        00067
                                                                                        CLRL
                                                                                                                                                         0778
                                                       0D94
                                                             C240
                                                                    7E
                                                                        00069 15:
                                                                                        MOVAQ
                                                                                                  LLINES[]], R1
#34471936, (R1)
                                                                                                                                                         0780
                                               61 020E0000
                                                               8F
                                                                    DÖ
                                                                        0006F
                                                                                        MOVL
                                                                    D4
                                                                        00076
                                                                                                  4(R1)
                                                         04
                                                                                        CLRL
                                                             C240
                                                                    7E
                                                                        00079
                                                                                                  RLINES[]], R1
#34471936, (R1)
                                                                                                                                                         0781
                                                       116C
                                                                                        MOVAQ
                                               61 020E0000
                                                               8F
                                                                    DO
                                                                        0007F
                                                                                        MOVL
                                                             C240
                                                                    D4
                                                                        00086
                                                                                                  4(R1)
                                                         04
                                                                                        CLRL
                                                                                                  TLINES[]], R1
#34471936, (R1)
                                                                    7Ę
                                                                       00089
                                                                                                                                                         0782
                                                       1544
                                                                                        PAVOM
                                               61 020E0000
                                                               8F
                                                                    DO
                                                                        0008F
                                                                                        MOVL
                                                               A1
8F
                                                                    D4
F3
                                                                        00096
                                                                                        CLRL
                                                                                                  4(R1)
```

00099

000A1

04

#81, I, 1\$

AOBLEQ

RET

0778 0785

; Routine Size: 162 bytes, Routine Base: \$CODE\$ + 0000

50 00000051

NC VC)XINI)4-000	NDXINI Once only GLOBAL ROUTINE NDXIN	initial I On	ization and ce only ini	globa! tializa	H 10 L d 16-Sep-198 ati 14-Sep-198	4 01:02:31 4 13:07:13	VAX-11 Bliss-32 V4.0-742 [RUNOFF.SRC]NDXINI.BLI;1
;	254 255 256	G786 1 0787 1 END 0788 0 ELUDOM			! End	d of module		
: PSECT SUMMARY								
	Name \$GLOBAL\$ \$CODE\$. ABS .	Byt		NOVEC, WRT NOVEC, NOWRT NOVEC, NOWRT	, RD RD NORD	Attributes, NOEXE, NOSHR, EXE, NOSHR, NOEXE, NOSHR,	LCL, REL, LCL, REL, LCL, ABS,	CON, NOPIC, ALIGN(2) CON, NOPIC, ALIGN(2) CON, NOPIC, ALIGN(0)
:		Libr	ary Sta	tistics				
:	File				Symbol: Loaded	Percent	Pages Mapped	Processing Time
:	_\$255\$DUA28:	[SYSLIB]XPORT.L32;1		590	130	22	252	00:00.2
;			COM	MAND QUALIF	IFRS			
:	BLISS/C	HECK=(FIELD,INITIAL,O				/OBJ=OBJ\$:NDXI	NI MSRC\$:NDX	INI/UPDATE=(ENH\$:NDXINI)
	Size: Run Time: Elapsed Time: Lines/CPU Min Lexemes/CPU-M Memory Used: Compilation C	162 code + 6344 data 00:30.9 01:03.4 : 1530 in: 89295 155 pages omplete	bytes					

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